

SOUTHWEST REGION DESIGNEE CONFERENCE 2006

MANAGEMENT DAR (Function Code 50)



FUNCTION CODE 50

EXPLANATION

QUALIFICATIONS REQUIRED

BENEFITS TO INDUSTRY

PRIVILEGE EXPANSION EXPECTATIONS



HISTORY: Industry Designees

- 1927 Private individuals began examining, testing and inspecting**
- 1938 Congress passed legislation for certification (private sector)**
- 1958 The FAA Act Section 314 opened the designee appointment for certification issues**
- 1962 14 CFR Part 183**
- 1965 Designated Alteration Station (DAS)**
- 1978 Special Federal Aviation Regulation (SFAR-36)**
- 1983 Designated Airworthiness Representative (DAR)**



WHERE DID THE IDEA ORIGINATE FOR DATA MANAGEMENT AUTHORITY FOR DAR'S ?



ORIGIN:

- ♦ **AIR AND AFS CREATED A TEAM IN 1999 TO ADDRESS STANDARDIZATION AND IMPROVEMENTS IN THE FIELD APPROVAL PROCESS**

EXAMPLES:

- **NON STANDARD APPROVAL GRANTED**
- **FAA FORM 337 MULTIPLE ISSUES**
- **COAST TO COAST DIFFERENCES**



ORIGIN:

- ♦ **TEAM RECOMMENDED 5 AREAS IN NEED OF IMPROVEMENT**

PROCESS

TRAINING

GUIDANCE AND POLICY

CONTINUED OVERSIGHT AND UPDATES

DELEGATION OF MANAGEMENT AUTHORITY TO CERTAIN DESIGNEES



FUNCTION CODE 50 EXPLANATION



EXPLANATION:

- ♦ **PRIOR TO THE CREATION OF F/C 50, APPLICANTS SUBMITTING FIELD APPROVAL PACKAGES WITH DER DATA HAD TO BE REVIEWED BY THE FSDO RECEIVING THE REQUEST.**
- ♦ **NOT ALL FLIGHT STANDARDS INSPECTORS HAVE TRAINING IN DATA REVIEW FOR AIRCRAFT BASED ON THE CERTIFICATION BASIS OF THE AIRCRAFT NOR TRAINING ON OTHER AIRWORTHINESS PARAMETERS THAT MAY BE AFFECTED WHEN MODIFICATIONS ARE INCORPORATED.**



EXPLANATION:

- ♦ **THE DER DATA SUBMITTED MAY OR MAY NOT BE COMPLETE ENOUGH TO MODIFY THE AIRCRAFT.**
- ♦ **DER MAY NOT HAVE AUTHORITY TO APPROVE DATA PRESENTED WITHIN THE PACKAGE.**
- ♦ **DAR'S WITH F/C 50 HAVE EXPERIENCE IN BOTH MAINTENANCE AND MANUFACTURING**
 - ESPECIALLY IN THE AREA OF DATA APPROVAL, COMPATIBILITY, AND COMPLETENESS.**



EXPLANATION:

- ♦ **DAR'S WITH F/C 50 HAVE EXTENSIVE AIRCRAFT ALTERATION BACKGROUND WHICH ENABLES THEM TO REVIEW THE SUBMITTED DATA FROM A MANAGEMENT PERSPECTIVE TO ENSURE THE DESIGN AND COMPLIANCE DATA IS COMPLETE.**
- ♦ **DER DATA MAY BE REQUIRED FROM MORE THAN ONE "TYPE" OF DER FOR THE PACKAGE TO BE COMPLETE. FOR EXAMPLE, A "STRUCTURES" DER CAN NOT APPROVE DATA THAT MAY FALL UNDER THE "SYSTEMS" DER'S AUTHORITY.**



EXPLANATION:

- ♦ **THE DAR WITH F/C 50 ENSURES THAT ALL DER DISCIPLINES THAT REQUIRE DATA APPROVAL HAVE SUPPLIED THE APPROPRIATE DATA TO COMPLETE THE MODIFICATION PROJECT.**
- ♦ **DAR WILL F/C 50 MUST VALIDATE DER AUTHORIZATIONS PRIOR TO ACCEPTANCE OF APPROVAL.**



WHAT IS FUNCTION CODE 50 ?



FUNCTION CODE 50:

FAA ORDER 8100.8B, CHG. 2, PARA 1407, a, (16)

Code 50- ISSUE A STATEMENT OF COMPLETENESS
FOR ALTERATIONS THAT USE DER-APPROVED DATA.
PERFORM MANAGEMENT OF DESIGN AND
COMPLIANCE DATA IN SUPPORT OF MAJOR
ALTERATIONS BY REVIEWING THE APPLICANT'S
DATA PACKAGE FOR COMPLETENESS TO THE
APPLICABLE AIRWORTHINESS STANDARDS.

**THE CERTIFICATION STATEMENT IS ENTERED ON
FAA FORM 337 IN BLOCK 3.**



FUNCTION CODE 50:

- ♦ **THE *STATEMENT OF COMPLETENESS* IS ONLY MADE AFTER THE ALTERATION DATA HAS BEEN REVIEWED IN IT'S ENTIRETY AND FOUND TO BE COMPLETE WITH THE APPROPRIATE DER APPROVALS.**
- ♦ **ALL ASPECTS OF THE ALTERATION MUST BE COMPATIBLE AND ELIGIBLE FOR USE ON THE SUBJECT AIRCRAFT.**



FUNCTION CODE 50:

- ◆ IF THE APPLICANT'S DATA PACKAGE REQUIRES FURTHER APPROVAL, THE PACKAGE IS RETURNED TO THE APPLICANT WITH A LETTER OF EXPLANATION.



FUNCTION CODE 50:

MANAGEMENT DAR REQUIREMENTS:

- CREATE A CHECK LIST**
- KNOW THE DIFFERENCE:
MAJOR ALTERATION – MAJOR DESIGN CHANGE**
- DISCUSS WITH YOUR PRINCIPAL INSPECTOR**
- READ 8300.10 FIGURE 1-3
“MAJOR ALTERATION JOB AID”**



WHO CAN QUALIFY FOR FUNCTION CODE 50 ?



QUALIFICATIONS:

**IN ADDITION TO THE “GENERAL QUALIFICATIONS”
FOR DAR APPLICANTS FOUND IN ORDER 8100.8B,
PARA 1401, APPLICANTS FOR F/C 50 MUST:**

- ♦ **HOLD CURRENT DAR/ODAR AT LEAST 1 YEAR WITH
F/C 08 (MFG) & F/C 23 (AFS)**
- ♦ **EXPERIENCE IN MANAGING ALTERATION PROGRAMS**
 - **STC**
 - **Major Repair / Major Alterations**
 - **Etc.**



QUALIFICATIONS:

- ♦ **ABILITY TO DETERMINE THAT PRODUCTS / PARTS SUBMITTED FOR DATA APPROVAL REMAIN IN OR HAVE BEEN RETURNED TO MEET FAA TYPE DESIGN AND MEET PERTINENT CFR REQUIREMENT.**
- ♦ **ATTEND PART 21 SEMINAR AND FAA ALTERATIONS AND REPAIRS COURSE**



WHO BENEFITS FROM USING A DAR WITH F/C 50 ?



BENEFITS:

♦ THE FAA

- BY NOT FORWARDING THE DATA TO THE ACO FOR REVIEW**

♦ THE APPLICANT

- BECAUSE ONCE THE DAR COMPLETES AND SIGNS BLOCK 3 ON THE 337, THERE IS NO NEED FOR THE FSDO TO REVIEW THE DATA IN DETAIL.**



BENEFITS:

- ♦ **FSDO FIELD APPROVAL STAMP IN BLOCK “3” IS ALMOST IMMEDIATE WHICH ALLOWS THE APPLICANT TO PROCEED WITH THE INTENDED MODIFICATION.**
- ♦ **STANDARIZATION OF POLICY IN ALL FAA REGIONS**
- ♦ **AIRCRAFT RETURNED TO SERVICE MORE EXPEDIOUSLY**



BENEFITS:

- ♦ **ENSURES COMPLIANCE TO EXISTING GUIDANCE AND REGULATORY POLICY**
- ♦ **ALLOWS THE APPLICANT TO FORSEE AN EXPECTATION OF COMPLETION AND PLACEMENT OF THE AIRCRAFT BACK INTO SERVICE WITH LARGE DEGREE OF ASSURANCE**



**WILL F/C 50 EXPAND IN THE
FUTURE TO INCLUDE SIGNING
BLOCK 3 AS A “FIELD APPROVAL” ?**



EXPAND:

- ♦ **DESIGNEE MUST OBTAIN AUTHORITY TO EXERCISE HIS SERVICE FROM FAA MANAGING OFFICE**
- ♦ **DESIGNEE NOT AN EMPLOYEE OF THE FEDERAL GOVERNMENT**
- ♦ **DESIGNEE NOT PROTECTED BY FAA INFRASTRUCTURE**



EXPAND:

- ♦ **DESIGNEE MUST BE SUPERVISED BY HIS MANAGING OFFICE**
- ♦ **MANAGEMENT DAR IS A HUGE FIRST STEP**
- ♦ **SUCCESSFUL MANAGEMENT DAR PRINCIPLES ENCOURAGE THE AVIATION COMMUNITY TO UTILIZE THIS AVENUE FOR MODIFICATION PROGRAMS**



EXPAND:

- ♦ **CONTINUED SUCCESSFUL IMPLEMENTATION OF MANAGEMENT DAR'S LEADS TO ADDITIONAL AUTHORITY**
- ♦ **POSSIBILITY OF FIELD APPROVAL AUTHORITY FOR MANAGEMENT DAR'S WITH F/C 50 IN FUTURE**



SUMMARY:

MANAGEMENT DAR CURRENT AUTHORITY IS THE FIRST STEP. ONCE THIS PROVES TO BE VALUE ADDED ASSET AS PREVIOUS DELEGATIONS

FUNCTION CODE 50 IN MY OPINION WILL BE EXPANDED. THIS IS A GOOD MOVE FOR STANDARDIZATION ON COMPLIANCE.



QUESTIONS ?

